

WHAT IS CLAIMED:

1. A brake system of a train which includes a train brake pipe extending through locomotives and cars in the train, a locomotive brake pipe extending through adjacent locomotives, pneumatic brakes on the locomotives connected to the locomotive brake pipe, electropneumatic brakes on the cars connected to the train brake pipe and an electrical network, the system further comprising:

a brake controller providing locomotive and train brake commands;

an electropneumatic controller connected to the brake controller, the train brake pipe and the locomotive brake pipe;

a trainline controller connected to the electrical network;

a locomotive computer connected to a display; and

a processor module connecting the brake controller's commands to the trainline controller, and connecting the trainline controller to the electropneumatic controller and the locomotive computer.

2. The brake system according to Claim 1, including a distributed power system connected to the processor module and the processor communicating on the distributed power system.